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Amendments to Claims

1. (Previously submitted) An ink jet printable composition comprising

(a) materials selected from the group consisting of conductive ; materials, dielectric materials and resistive materials;

(b) polyvinylpyrrolidone homopolymer, polyvinylpyrrolidone copolymer or mixtures thereof; dispersed in

(c) dispersion vehicle selected from organic solvent, water, or mixtures thereof;

wherein the viscosity of said composition is between 5 mPa.s to 50 mPa.s at a temperature of 25 to 35°C and wherein the conductive material has an average particle size (D50) of 0.1 to 1.2 microns wherein the composition exhibits stability for up to 24 hours.

2. (Original) The composition of Claim 1 further comprising up to 10 wt.% inorganic resinate as binder precursor.

3. (Original) The composition of Claim 2 wherein said inorganic resinate is silver resinate or a mixture of metal resinates.

4. (Cancelled)

5. (Currently amended) The composition of Claim 1 wherein said ~~polyvinylpyrrolidone homopolymer,~~ polyvinylpyrrolidone copolymer of ~~or mixtures thereo of~~ 1(b) is further comprised of other polymers selected from the group consisting of polymethacrylates and polyacrylates.

6. (Original) The composition of Claim 1 further comprising a monomer wherein said monomer is ultraviolet curable or thermally curable.

7. (Previously submitted) The composition of Claim 6 wherein said monomer is selected from the group consisting of triethylolpropane ethoxy triacrylate, trimethylolpropane triacrylate, pentaerythritol triacrylate, pentaaerythritol trimethacrylate, trimethylolpropane trimethyacrylate, pentaerythritol tetraacrylate, pentaerythritol tetramethacrylate, triethylene glycol diacrylate, triethylene glycol dimethacrylate, polyoxyethylated trimethylolpropane triacrylate, ethylated

pentaerythritol triacrylate, dipentaerythritol monohydroxypentaacrylate and 1,10-decanediol dimethlacrylate.

8. (currently amended) The composition of Claim 1 wherein said conductive material is present in the range of 1-60 wt.%, based on the weight of the total composition.

9. (Currently amended) The composition of Claim 1 wherein said polyvinylpyrrolidone homopolymer, polyvinylpyrrolidone copolymer or mixtures thereo of 1(b) is present in the range of 1-10 wt.%, based on the weight of the total composition.

10. (Currently amended) The composition of Claim 1 wherein said dispersion vehicle is present in the range of 40-95 wt.%, based on the weight of the total composition.

11. (Original) The composition of Claim 6 further comprising a photoinitiator.

12. (Previously submitted) The composition of any one of Claims 1-7 wherein said organic solvent is selected from the group consisting of aliphatic alcohols, esters of aliphatic alcohols, terpenes, ethylene glycol, esters of ethylene glycol, carbitol esters and mixtures thereof.

13. (Previously submitted) The composition of Claim 1 wherein said conductive material is coated with a fatty acid surfactant selected from the group consisting of stearic acid, palmitic acid, a salt of stearate, a salt of palmitate and mixtures thereof.

14. (Original) An application package which comprises a cartridge and the composition of Claim 1 wherein said cartridge is suitable to disperse said composition in an ink jet system.

15. (Previously submitted) The composition of Claim 1 wherein said composition is is suitable for inkjetting

16. (Previously presented) The composition of Claim 1 wherein the percent of conductive material in the composition is from 15 wt% to 60 wt%.

17. (Previously submitted) A process of using the composition of Claim 1 wherein said composition is applied to a substrate selected from the group consisting of glass, ceramic and plastic.

18. (Previously submitted) A process of using the composition of Claim 1 where said composition is applied in a process of one pass printing as a (dried) line width in the range of 100-165 microns with a line thickness in the range of 1.2-2.0 microns, upon one-pass printing.

19. (Previously submitted) The composition of claim 1 wherein said materials are conductive materials selected from the group consisting of gold, silver, copper, nickel, aluminum, platinum, palladium, molybdenum, tungsten, tantalum, tin, indium, lanthanum, gadolinium, ruthenium, cobalt, titanium, yttrium, europium, gallium, zinc, magnesium, barium, cerium, strontium, lead, antimony, and combinations thereof.

20. (Currently amended) The composition of claim ~~1~~ 19 wherein said materials are silver conductive materials.